

Central Oklahoma Habitat for Humanity partners with RESNET energy rater volunteer

Since 1995, The U.S. Department of Energy's Building America program has been working with HFHI and local Habitat affiliates who want to build more energy efficient homes. Technical assistance helps affiliates make smarter choices and spend limited resources more wisely. RESNET volunteers have joined the effort by providing one or more pro-bono home energy ratings to interested Habitat affiliates. Read about the win-win benefits for both RESNET volunteers and Habitat affiliates:

<http://baihp.org/habitat/RESNET-BA-Habitat-Benefits.pdf>

Central Oklahoma Habitat for Humanity (COHFH)

Oklahoma Gas and Electric (OG&E), Positive Energy Home Program™ provides pro-bono home energy ratings and tax credit calculations to COHFH. The Oklahoma State tax credit of \$4,000 is awarded to builders of new homes less than 2,000 square feet that are 40% or more above the 2003 International Energy Code. COHFH is allowed to sell its tax credit at the rate of eighty cents on the dollar generating \$3,200 to offset the cost of energy efficiency improvements including:

Heating and Cooling System

- Geothermal Heat Pump - Tranquility 20 Systems Donated By Climatemaster (Affiliate Pays For Installation And Drilling)
- Room-by-room Manual J Calculation
- Blower Door Infiltration Testing To Ensure Estimated Natural Infiltration Rate Of 0.35 Air Changes Per Hour Or Less
- Ducts Sealed With Mastic And Tested To Ensure Leakage ≤ 5 Cfm Per 100 Square Feet Of Conditioned Space

Enclosure

- 2x4 Frame construction, slab on grade with R-5 perimeter insulation
- Spray foam insulation in Wall (~R-13) with R-4 exterior rigid insulation
- Spray foam insulation at Roof deck (~R-19) in unvented attic
- Low-E, double pane, vinyl frame windows (SHGC= ≤ 0.4 U-Value ≤ 0.35)

Lighting – 100% Compact Fluorescent Bulbs

HERS Index ranges from 56-58 (85 or less required to meet Energy Star)

Read more about the RESNET-Building America-Habitat partnership at:

www.baihp.org/habitat

To participate, contact:

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Partnership Organizations



www.habitat.org

<http://www.cohfh.org/index.html>



www.buildingamerica.gov

www.baihp.org/habitat

RESNET

Residential Energy Services Network

www.natresnet.org

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